

Application No.: 10/731,525  
Docket No.: BB1167USDIV

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**AMENDMENTS TO CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-11 (cancelled)

Claim 12 (new): An isolated polynucleotide comprising:

- (a) a nucleotide sequence encoding a polypeptide having adenosine 5'-phosphosulfate reductase activity, wherein the polypeptide has an amino acid sequence of at least 80% sequence identity, based on a Clustal method of alignment, when compared to SEQ ID NO:8, or
- (b) a full-length complement of the nucleotide sequence of (a).

Claim 13 (new): The polynucleotide of Claim 12, wherein the amino acid sequence of the polypeptide has at least 85% sequence identity, based on the Clustal method of alignment, when compared to SEQ ID NO:8.

Claim 14 (new): The polynucleotide of Claim 12, wherein the amino acid sequence of the polypeptide has at least 90% sequence identity, based on the Clustal method of alignment, when compared to SEQ ID NO:8.

Claim 15 (new): The polynucleotide of Claim 12, wherein the amino acid sequence of the polypeptide has at least 95% sequence identity, based on the Clustal method of alignment, when compared to SEQ ID NO:8.

Claim 16 (new): The polynucleotide of Claim 12, wherein the amino acid sequence of the polypeptide comprises SEQ ID NO:8.

Claim 17 (new): The polynucleotide of Claim 12, wherein the nucleotide sequence comprises SEQ ID NO:7.